SERVICING A SPACE BASED CANDU REACTOR POWER SAT

(1)(A) United Launch alliance has proposed a fuel depot fuel tanker architecture.

http://www.ulalaunch.com/site/docs/publications/DepotBasedTransportationArchitecture2010.pdf

(1)(B) I have proposed that liquid Noble elements could be incorporated into this fuel depot architecture, in order for Ion propulsion to share the same economies of scale with the existing and proposed EELV upper stages and fuel depot.(A ion powered Centaur stage as tug)

http://www.facebook.com/topic.php?uid=109555615732469&topic=126

- (1)(C) Liquid noble's are to heavy and dense for a full sized ion powered Centaur, so I downsized the vehicle and stared thinking about a hybrid ion/chemical powered Centaur**
- http://www.facebook.com/topic.php?uid=109555615732469&topic=186
- This could boost the Ion powered Centaur tug out of the van Allen belts using the chemical engine, the ion engine boost the payload to the destination

Liquid Deuterium Tanker

(1)(D) PG&E and a private company have proposed to the California public utilities commission a solar power sat venture that weighs about three times an existing communications satellite.

It would be assemble in LEO and solar power would boost it to GEO, using a Ion powered tug

I argue a space based CANDU reactor could share its space craft bus and power transmitting infrastructure

This would require a tanker to bring up Deuterium for the reactor

http://www.facebook.com/topic.php?uid=109555615732469&topic=186#!/topic.php?uid=109555615732469&topic=303